11. The computing system of claim **10**, wherein the controller is to configure the set of heterogeneous computing resources to meet the power budget constraint further by:

identifying a second subset of computing resources of the set that are active;

determining, for each computing resource of the second subset, a dynamic power consumption metric based on a difference between the peak power consumption metric and the idle power consumption metric for the computing resource; and

preferentially selecting a computing resource of the second subset having the lowest dynamic power consumption metric for reallocation of one or more processing workloads from the selected computing resource of the first subset.

12. The computing system of claim **9**, wherein the controller is to configure the set of heterogeneous computing resources to meet the power budget constraint by:

identifying a first subset of computing resources of the set that are deactivated;

identifying a second subset of computing resources of the set that are idle;

determining, for each computing resource of the second subset, a dynamic power consumption metric based on a difference between the peak power consumption metric and the idle power consumption metric for the computing resource;

preferentially selecting for allocation of a processing workload a computing resource of the second subset responsive to determining that the computing resource of the second subset has a dynamic power consumption metric that is lower than the peak power consumption metrics of the computing resources of the first subset; and

preferentially powering up and selecting for allocation of the processing workload a computing resource of the first subset responsive to determining that the computing resource of the first subset has a peak power consumption metric less than the dynamic power consumption metrics of the computing resources of the second subset.

13. The computing system of claim **9**, wherein:

the controller is to determine a power cap based on the power budget constraint; and

the controller is to configure the set of heterogeneous computing resources to meet the power budget constraint by:

determining, for each active computing resource of the set, a dynamic power consumption metric based on

a difference between the peak power consumption metric and the idle power consumption metric for the computing resource; and

preferentially selecting the active computing resource having the highest dynamic power consumption metric for implementation of the power cap.

14. The computing system of claim **9**, wherein the controller further is to test each of the computing resources of the set to determine the corresponding idle power consumption metric and the corresponding peak power consumption metric.

15. The computing system of claim **14**, wherein the controller further is to retest each of the computing resources of the set to update the corresponding idle power consumption metric and the corresponding peak power consumption metric.

16. The computing system of claim **9**, wherein each of the computing resources of the set comprises an individual server of a data center.

17. The computing system of claim **9**, wherein each of the computing resources of the set comprises a corresponding group of two or more servers of a data center.

18. The computing system of claim **17**, wherein a group of two or more servers comprises one of: a server rack; an aisle of server racks; and a set of two or more aisles of server racks.

19. In a data center comprising a set of heterogeneous computing resources, a method comprising:

selecting an active first computing resource of the set over a deactivated second computing resource for allocation of a processing workload responsive to determining a dynamic power consumption metric of the first computing resource is less than a peak power consumption metric of the second computing resource; and

selecting the deactivated second computing resource for activation and allocation of the processing workload responsive to determining the dynamic power consumption metric of the first computing resource is greater than the peak power consumption metric of the second computing resource.

20. The method of claim **19**, further comprising:

selecting an active third computing resource of the set over the active first computing resource and the deactivated second computing resource for allocation of the processing workload responsive to determining a dynamic power consumption metric of the third computing resource is less than the dynamic power consumption metric of the first computing resource and less than the peak power consumption metric of the second computing resource.

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